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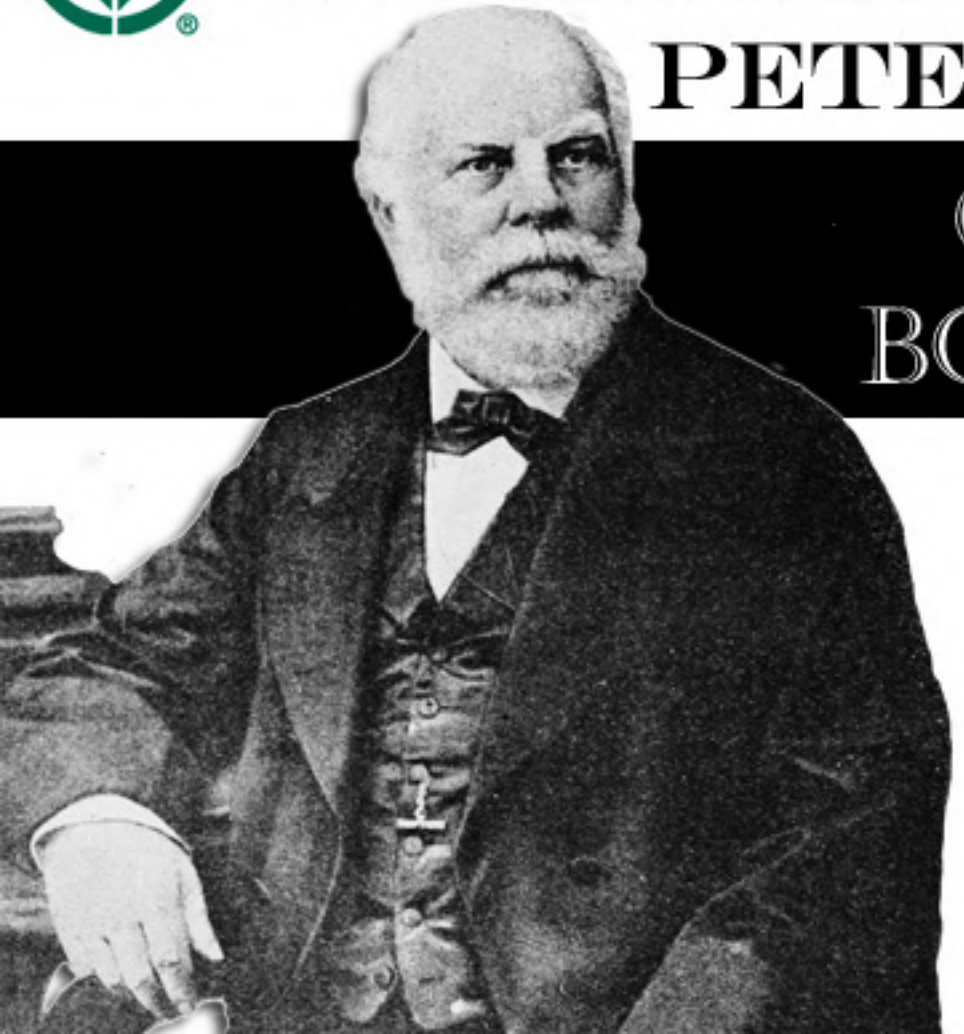

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№ 2 Weddell South American Cactaceae 2

1545.

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MISSOURI BOTANICAL GARDEN

N: 2

Fav. de Cinti Bolivia

Plant small, clavate, 2/2 inches diameter, 3 inches high;

tubercles short, depressed? approximate,

spines numerous, stellate, short;

flowers from near the top, slender, 1 inch long,

tube naked? below pale rose colour, ~~petals~~ ~~nor~~ ~~app~~

sepals same colour; upper ones and petals deep

orange, spathulate, rounded.

stigmata 4 parted; scarcely longer than stamina

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN CARDERS

Weddell's Sketches
451-461
1545-A

THE

GARDENERS' CHRONICLE.

Established 1841.

No. 501.—Vol. XX. { New Series. } SATURDAY, AUGUST 4, 1883. { Registered at the General Post-office as a Newspaper. WITH SUPPLEMENT. } Price 5d. Post-free, 5½d.

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SHROPSHIRE HORTICULTURAL SOCIETY'S GREAT SUMMER SHOW,

The Quarry, Shrewsbury, WEDNESDAY and THURSDAY, August 15 and 16. FOUR HUNDRED POUNDS in PRIZES. For best 20 Plants, £25, £20, £15. Schedules and full particulars from

Messrs. ADNITT AND NAUNTON, Hon. Secs.
Shrewsbury.

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The ANNUAL SHOW of this Society will be held in Kidwell's Park, on THURSDAY, August 23. The Band of Her Majesty's Scots Guards will perform during the afternoon. About 200 PRIZES, from 60*s.* downwards, will be offered, and 100 PRIZES for COTTAGERS' PRODUCE (no entrance fees in this class). Entries close August 16, except Cottagers, who can enter up to August 20. Admission, 2*s.* 6*d.* ; from 1 until half-past 3, 1*s.* ; from half-past 3 till 6, 6*d.* Schedules and Rules may be had of

Mr. O. KING, Hon. Sec.

DUNDEE HORTICULTURAL SOCIETY.

The ANNUAL SHOW will be held in the Drill Hall, on AUGUST 30 and 31 and SEPTEMBER 1, being one week later than advertised in Schedule. Entries Close, August 25.

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SPECIAL OFFER.—PELARGONIUMS, best market varieties ; red and white BOUVARDIAS, ADIANTUM CUNEATUM. Strong plants of each, in thumbs, 20*s.* per 100, for prompt cash.
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AQUILEGIA GLANDULOSA (true).—Seed, just collected, 2*s.* 6*d.* and 5*s.* per packet ; 1-yr. Seedlings, now ready, 2*s.* 6*d.* per dozen. Usual discount to the Trade.
R. AND A. MORRISON, The Nurseries, Elgin.

Hardy Primrose and Polyanthus Seed.

ANTHONY WATERER begs to offer SEED of the strain exhibited by him in the Spring at the Meetings of the Royal Horticultural and Royal Botanic Societies of London, and also at Manchester, in Packets at 5*s.* each, post-free on receipt of cash or stamps.
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PRIMULAS, CINERARIAS, and CALCEOLARIAS.—Bull's choice strain of the above, in good transplanted Seedlings, at 8*s.* per 100, 70*s.* per 1000, package and carriage free for cash with orders. Good strong Marechal Niel and other Tea ROSES, in 48-pots, at 60*s.* per 100.
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From Mr. J. DARBYSHIRE, Gardener to W. Smith, Esq., Wilmslow, May 16, 1883.—"I got First Prize with your Perfection Calceolarias at the Botanic Show on Friday. They are really splendid, 2 feet through, and well marked."
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From Mr. H. K. WARD, Gardener to W. H. Budgett, Esq., Stoke Bishop, April 2, 1883.—"Your Cineraria is the best strain I have yet seen. I have taken the Premier Prize with them three years in succession. Your strain took the First Prize against fourteen or fifteen competitors, and a finer half-dozen plants could scarcely be got together."
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SUTTONS' PRIMULA. THE BEST.
From F. J. WALKER, Esq., The Priory, Bath, Jan. 3, 1883.—"I took First Prize for Primulas at the Bath Chrysanthemum and Primula Show from the seed you supplied us with last year. There was a great competition. Your strain cannot be surpassed."
Price, 1*s.* 6*d.*, 2*s.* 6*d.*, 3*s.* 6*d.*, and 5*s.* per packet, post-free.

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"The Begonias are perfection. I have a small conservatory entirely filled with them, which are the admiration of all my friends."—J. DARLINGTON, Esq., Netherwood.
Price, 1*s.*, 1*s.* 6*d.*, 2*s.* 6*d.*, and 5*s.* per packet, post-free.

SUTTONS' GLOXINIA. THE BEST.
From Miss DUNSTERVILLE, Airdie, Malvern Link, Feb. 3, 1883.—"The Gloxinia seed has produced the finest blooms I have ever seen even in the Crystal Palace Show."
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THE QUEEN'S SEEDSMEN READING, BERKS.

ORCHIDS.—We invite intending Purchasers to pay us a visit and inspect our Houses.
The NEW PLANT AND BULB COMPANY, Colchester.
Send for our NEW LIST, No. 63.

Tea Roses—Tea Roses.

THE LIVERPOOL HORTICULTURAL COMPANY (JOHN COWAN), Limited, have this year a splendid stock of Tea and other Roses in pots. Prices and full particulars on application to
The MANAGER, The Vineyard, Garston, Liverpool.

KELWAY AND SON, Langport, Somerset, offer HERBACEOUS PLANTS, DAHLIAS, single and double ; PYRETHRUMS, single and double ; PHLOXES and TEA ROSES ; CALCEOLARIA and CINERARIA SEED.
CATALOGUES gratis and post-free.

Hyacinths, Tulips, Narcissus, Lilies, &c.

BUDDENBORG BROS., BULB GROWERS, Hillegom, near Haarlem, Holland.
Wholesale CATALOGUE now ready, and will be sent post-free on application.

R. H. VERTEGANS' Descriptive Pocket CATALOGUE of Alpines and Hardy Perennials. Post-free on application.
Chad Valley Nurseries, Edgbaston, Birmingham.

D. F. BOEKEE, Leiden, Holland, has a large Stock of CONVALLARIA CLUMPS. Price 50*s.* per 100. Sample on application.

TEA ROSES IN POTS.—Several thousands to offer, clean, healthy, and full of buds, including a fine lot of Maréchal Niel and Niphetos—the latter in several sizes. Prices on application.
F. STREET, Heatherside Nurseries, Golden Farmer, Farnborough Station.

CHOICE SELECTIONS of ALPINES and HERBACEOUS PLANTS.—100 for 28*s* ; 200, 60*s.* ; 300 100*s.* ; 400, 140*s.* ; 500, 200*s.* Distinct species, established in pots. SAXIFRAGES—100. 28*s.* ; 200, 100*s.*, distinct species and var.
CATALOGUE on application.
STANSFIELD BROS., Southport.

PINE PLANTS, surplus, for SALE or EXCHANGE. WANTED, GERANIUM CUTTINGS, SPECIMEN PLANTS, &c.
J. M., 19, Waterloo Place, North Shields.

MESSRS. SQUELCH AND BARNHAM, FRUIT and FLOWER SALESMEN, Covent Garden Market, W.C., are open to RECEIVE CONSIGNMENTS of choice FRUIT and FLOWERS. Baskets and Labels supplied.
Terms and references on application.

WANTED, SNOWDROPS, Single and Double. Sample and price to
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To the Trade.

WANTED, for Delivery in Autumn, several thousands each of SPANISH CHESTNUTS and SCOTCH FIR, 3 to 4 feet, transplanted. State quantity and

To the Trade.

JAMES CARTER, DUNNETT AND BEALE'S CATALOGUE of Bulbs, Plants, and Horticultural Sundries, has now been posted to every Customer ; should it have miscarried another copy will be sent on application to
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BERGMANN AND BARTH, WHOLESALE SEEDSMEN, Leipsic, Germany, desire to RECEIVE IMMEDIATELY the NEWEST CATALOGUES of SEEDS.

AQUILEGIA GLANDULOSA (Grigor's, guaranteed True).
Fine young plants of the above beautiful Columbine, to bloom next spring, 30*s.* per 100, or 6*s.* per dozen. Also Seed, just gathered, at 2*s.* 6*d.* and 5*s.* per packet, from
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The Trade supplied at Wholesale Prices.

To the Trade only.

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Descriptive LIST on application.
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MESSRS. PERKINS AND SONS are now offering a very fine lot of ADIANTUM CUNEATUM, in 72's, at 20*s.* per 100. Sample plant per post (to intending purchasers) sent on application. 1*s.* per 100 package.
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Strong plants, 12 in. to 15 in. high, 7*s.* per dozen, carriage paid.
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BOUVARDIAS, nice bushy plants, in 48-pots, best kinds, including Alfred Neuner, price 40*s.* per 100.
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To the Trade.

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Double White Sweet Scented

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T. MILLS, Market Gardener, Chiswick, Middlesex.

STRAWBERRIES.—We are now prepared to supply strong, healthy Plants, from ground and in pots, of all the most approved kinds. A select descriptive LIST post-free on application.
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STRAWBERRY RUNNERS.—Alpha, Duc de Malakoff, Duke of Edinburgh, The Countess, Black Prince, Frogmore Late Pine, Crimson Queen, Lucas, James

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MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

SALES BY AUCTION.

Friday Next.

CATTLEYAS and ODONTOGLOSSUMS.
VANDA SANDERIANA.

MESSRS PROTHEROE AND MORRIS are instructed by Mr. F. Sander to SELL by AUCTION, at their Central Sale Rooms, 67 and 68, Cheapside, E.C., on FRIDAY NEXT, at half-past 11 o'Clock precisely, a grand lot of CATTLEYAS and ODONTOGLOSSUMS; also splendid sound plants of VANDA SANDERIANA, in fine specimens; also about fifty lots of ESTABLISHED ORCHIDS, and a quantity of ORCHIDS in flower.

On view morning of Sale, and Catalogues had.

Friday Next.

LÆLIA PURPURATA—54 Cases.

MESSRS. PROTHEROE AND MORRIS have been instructed by Mr. Bells, of Rio de Janeiro, to SELL by AUCTION, at their Central Sale Rooms, 67 and 68, Cheapside, E.C., on FRIDAY NEXT, at half-past 12 o'Clock precisely, 54 Cases of LÆLIA PURPURATA, in grand condition; also some very fine plants of ZYGOPETALUM GAUTHIERI. The Lælia purpurata are in splendid condition, and will be sold in the Cases.

On view the day previous to Sale. Catalogues at the Rooms, and 8, New Broad Street, E.C.

Dutch Bulbs.—Trade Sales.

MESSRS. PROTHEROE AND MORRIS beg to announce that they have made special arrangements for very extensive consignments of DUTCH BULBS of the best quality during the ensuing season.

The FIRST SALES will take place at their Rooms on AUGUST 20, 23, 27, and 30, and will consist of lots made up particularly for the Trade and other large buyers.

Gentlemen desirous of receiving Catalogues throughout the season can have a regular supply on application to the Auctioneers, 67 and 68, Cheapside, and 8, New Broad Street, E.C., and enclosing twelve stamps.

Tuesday Next.—(Sale No. 6439.)

PERIODICAL SALE of POULTRY and PIGEONS.

MR. J. C. STEVENS will SELL by AUCTION, at his Great Rooms, 38, King Street, Covent Garden, W.C., on TUESDAY NEXT, August 7, at half-past 12 o'Clock precisely, PRIZE and PRIZE-BRED POULTRY, comprising Silver-spangled and Black Hamburghs, Minorcas and Houdans, from the Honourable Lady Murray; Black Spanish, Buff and White Cochins, Andalusians, Light and Dark Brahmas, Golden-spangled Polands, Malays, Bantams, &c., from several well-known exhibitors. Also choice PIGEONS, including Red and Yellow Jacobins, Magpies, Turbits, Checkered Homers, Silver Runts, Yellow Dragons, and a variety of other BIRDS from the yards and lofts of well-known breeders and exhibitors.

On view morning of Sale, and Catalogues had.

Wednesday Next.—(Sale No. 6440.)

A grand importation of

CATTLEYA MENDELII,
CATTLEYA GIGAS, CATTLEYA AUREA,
ODONTOGLOSSUM VEXILLARIUM,
O. CRISPUM, O. PESCATOREI,
O. SPECIES, supposed to be new;
MASDEVALLIA MACRURA, rare;
M. TROCHILUS and M. HARRYANA:
the whole of the above in the best possible condition,

MR. J. C. STEVENS will SELL by AUCTION, at his Great Rooms, 38, King Street, Covent Garden, W.C., by order of Messrs. Shuttleworth, Carder & Co., on WEDNESDAY NEXT, August 8, at half-past 12 o'Clock precisely, the above fine IMPORTATIONS of ORCHIDS.

On view morning of Sale, and Catalogues had.

Thursday Next.

ODONTOGLOSSUM, New Species.
CATTLEYA SANDERIANA.
VANDA SANDERIANA.

MR. J. C. STEVENS has received instructions from Mr. F. Sander to SELL by AUCTION, at his Great Rooms, 38, King Street, Covent Garden, W.C., on THURSDAY NEXT, August 9, at half-past 12 o'Clock precisely, a grand importation of the above.

On view morning of Sale, and Catalogues had.

Thursday Next.

LÆLIA ANCEPS.

MR. J. C. STEVENS will include in his SALE on THUBSDAY NEXT, August 9, by order of Messrs. F. Horsman & Co., about 50 lots of selected pieces of the above, all in superb condition.

On view morning of Sale, and Catalogues had.

Auction Rooms and Offices, 38, King Street, Covent Garden, W.C.

Thursday Next.—(Sale No. 6441.)

ESTABLISHED ORCHIDS, &c.

MR. J. C. STEVENS will SELL by AUCTION, at his Great Rooms, 38, King Street, Covent Garden, W.C., on THURSDAY NEXT, August 9, about 300 lots of good ESTABLISHED ORCHIDS from private collections, comprising a quantity of Odontoglossum Alexandræ and O. Pescatorei, Oncidiums, Masdevallias, Cattleyas, Cypripediums, Epidendrums, 50 Dendrobium infundibulum in flower, and a small collection of NEPENTHES in variety, a few STOVE PLANTS, &c.

On view morning of Sale, and Catalogues had.

Established Orchids, Palms, Dracænas, Stephanotis, FICUS, &c.

MR. J. C. STEVENS will include about 50 lots of the above in his SALE, on THURSDAY, August 9, from the Royal Exotic Nursery, Tooting.

On view morning of Sale, and Catalogues had.

Auction Rooms and Offices, 38, King Street, Covent Garden, W.C.

Lælia elegans.

MR. J. C. STEVENS has received instruc-

Dutch Bulbs.—Trade Sales.

MR. J. C. STEVENS begs to announce that his first SALES of DUTCH BULBS will take place at his Great Rooms, 38, King Street, Covent Garden, W.C., on

WEDNESDAY, August 15,
SATURDAY, August 18,
WEDNESDAY, August 22,
SATURDAY, August 25,
WEDNESDAY, August 29,

at half-past 12 o'Clock precisely each day, and will include choice Double and Single HYACINTHS, TULIPS, CROCUSES, NARCISSUS, SCILLAS, &c., from well known Farms in Holland, in lots to suit the Trade and Private Buyers.

On view morning of Sale, and Catalogues had.

MR. JNO. COWAN will SELL by AUCTION, for the Liverpool Horticultural Company (John Cowan), Limited, on THURSDAY, August 9, at 12 o'Clock prompt, in the Concert Room at the Horticultural Gardens, Leeds, a splendid assortment of ESTABLISHED ORCHIDS, consisting of Dendrobiums crassinode Barberianum, Parishi, Dalhousianum, Wardianum, Dearei, Pierardi latifolia, Jamesianum, &c.; Aërides, Saccolabiums, Vandas, Phalænopsis, Odontoglossoms, Cattleyas, and many other varieties, all healthy plants making good growth: also a fine variety of Aërides Lobbi from the Indian Archipelago, Thrixspermum Berkeleyi, Dendrobium Veitchianum, D. formosum Berkeleyi, Phalænopsis Esmeralda, P. amabilis, and Aërides Emericii, from Lieut. Col. E. S. Berkeley; and an importation of Cattleya labiata, just to hand, from Rio de Janeiro. Also a fine collection of FLOWERING and ORNAMENTAL PLANTS, consisting of Tea Roses, Pelargoniums, Geraniums, Fuchsias, Lilies, Begonias, Maidenhair and other Ferns, Palms, Coleus, Grevilleas, &c., all in fine health and condition, and suitable for Conservatory, Greenhouse, Table, and Window Decoration.

Plants on view at the Concert Room, on the 7th, 8th, and morning of Sale.

Catalogues on application to The Vineyard, Garston, Liverpool.

WANTED, a SMALL HOUSE, standing in an acre or more of ground; with Fruit Trees and Greenhouse or two preferred. Not more than 8 miles from London. Apply to

J. F., 47, Fulham Palace Road, Hammersmith, W.

Investment.—Important to Orchid Growers.

15 miles from London.

FOR DISPOSAL, a small and easily worked HORTICULTURAL BUSINESS—proprietor wishing to devote his whole time to another Business in which he is engaged. Capital opening for Growing Orchids.

Apply to Messrs. PROTHEROE AND MORRIS, 8, New Broad Street, E.C.—(Folio 5865.)

FOR SALE, SIDCUP HILL NURSERY, Foot's Cray, Kent. Established over fifty years, and widely famous for the culture of Ferns. In consequence of the death (without issue) of the late Mr. Robert Sim, the Stock, Leases, Business Structures, &c., of this Nursery are to be immediately disposed of.

For particulars apply to Miss SIM, at the above address.

FOR SALE, a NURSERY and FLORIST BUSINESS, in the North of Scotland. The Grounds extend to 11 acres, held on 11 years leases, the greater part of the terms being unexpired. The subjects include 3 Greenhouses, with Hot-water Appliances, and a number of Frames. The Stock, which is in first-class condition, consists of several millions of Seedling and Transplanted Forest Trees (for the prime quality of which the nursery is well-known), Ornamental and Fruit Trees, Shrubs, Bushes, and Flowers of every description. The sale is rendered necessary by dissolution of partnership, and offers a splendid opportunity for acquiring a good going established business.

Further particulars from GRIGOR AND YOUNG, Solicitors, Elgin, N.B.

INVESTMENT.—A most comfortable, newly erected MODERN RESIDENCE, at Twickenham, close to the Station and the river Thames—Dining-room, 24 × 18; Billiard-room same size, two other Reception-rooms, seven Bedrooms, Stabling, Grounds half an acre in extent, tastefully laid out; fine Orchid and Plant-houses, with all modern improvements. The whole most suitable to a Gentleman with a taste for horticulture. Price, £2300.

Address, D., Messrs. Pottle & Son, Royal Exchange, who will give cards to view.

TO GARDENERS AND OTHERS.—An opportunity occurs for PURCHASING a Plot of FREEHOLD LAND, Propagating and Two Glass Houses, fitted with Hot-water Pipes, Boiler, &c.; also Goodwill of Florist's Business, carried on by owner for five years. Leaving to take larger Business. Price for Freehold, Goodwill, and everything, £275 (£200 can remain and be repaid by instalments).

Apply, Mr. SALMON, Estate Agent, Kingston-on-Thames.

TO BE LET, ON LEASE, a good JOBBING and LOCAL BUSINESS, upon favourable terms.

Apply to Mrs. G. SMITH, Tollington Nursery, Tollington Park, Hornsey Road, N.

Fifty Nurseries, Market Gardens, Florist and Seed BUSINESSES to be DISPOSED OF.

MESSRS. PROTHEROE AND MORRIS' HORTICULTURAL REGISTER contains full particulars of the above, and can be obtained, gratis, at 8, New Broad Street, E.C.

PROTHEROE AND MORRIS, HORTICULTURAL MARKET GARDEN and ESTATE AUCTIONEERS and VALUERS, 8, New Broad Street, E.C., and at Leytonstone, E. Monthly Horticultural Register had on application.

T. MILLINGTON AND CO., ENGLISH and FOREIGN SHEET and PLATE GLASS, WHITE LEAD, MILLED LEAD, OILS, and COLOUR MERCHANTS, 43, Commercial Street, E.

CHADBURY EARLY CABBAGE SEED.—This seed has been grown by careful selection for sixteen years, and planting the stems where the produce would not be likely to be affected by Bees. It is liked by the Evesham gardeners, who are good judges of what pays them best, and is

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PARCELS POST.—CARTERS' SEEDS.

PARCELS POST.—CARTERS' SEEDS, Carriage free.

PARCELS POST.—CARTERS' SPECIAL ORDER ROOMS and Parcels Post-office now open.

PARCELS POST.—CARTERS' SPECIAL VANS and TRUCKS will deliver parcels hourly during the day to the Post-office.

CARTERS, The QUEEN'S SEEDSMEN, and by Royal Command to H.R.H. the Prince of Wales. 237 and 238, High Holborn, London, W.C.

EARLY FORCING BULBS.

JAMES CARTER AND CO. have RECEIVED THEIR FIRST CONSIGNMENTS of the above in splendid condition.

PLANT AT ONCE, EARLY FORCING. CARTERS' BULBS FOR THE DECORATION of the CONSERVATORY, DRAWING ROOM, &c., &c., at CHRISTMAS TIME.

EARLY WHITE ROMAN HYACINTHS, 25*s.* per 100, 3*s.* 6*d.* per dozen, 4*d.* each.

EARLY WHITE ROMAN HYACINTHS (Blue Skin), 17*s.* 6*d.* per 100, 2*s.* 6*d.* per dozen, 3*d.* each.

EARLY BLUE ROMAN HYACINTHS, 12*s.* 6*d.* per 100, 1*s.* 9*d.* per dozen, 3*d.* each.

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NOTE.—These prices are not binding after the publication of Carters' Autumn Catalogue.

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Double White Primulas.

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KENTIA FOSTERIANA. Offered in clean and healthy plants, with three leaves, in single pots, at £4 10*s.* per 100 seeds; of ARECA SAPIDA, at £1 per 1000.

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The fact that these plants with ordinary care can be grown in a greenhouse has given an impetus to orders, and nearly all lovers of flowers are now Orchid growers and are forming collections, which, besides being very interesting, will become valuable as there are no plants which pay better for growing into specimens.

The following are a few of the varied and cheap ORCHIDS which are held in quantities: the special ORCHID LIST for August will be forwarded, post-free, on application:—

C. denotes Cool, *I.* Intermediate, and *S.* Stove Plants.

	Each—*s.* *d.*	
C.	AERIDES JAPONICUM, a beautiful sweet-scented Orchid; flowers white, spotted with rose colour. Four to six leaves	2 6
I.	AERIDES VIRENS.—This, one of the best of the Orchids. Six to seven leaves.. .. 3*s.* 6*d.* and	5 0
C.	BLETIA HYACINTHINA, beautiful free-flowering hardy Orchid; grows well out-of-doors; can be left out all the year on a south border. Strong clumps, 2*s.* 6*d.* and	3 6
C.	CALANTHE DISCOLOR, very free-flowering and beautiful. Strong plants, ...	2 6
C.	CALANTHE SIEBOLDI, beautiful evergreen, cool-house species, with large yellow flowers 2*s.* 6*d.* and	3 6
C.	CATTLEYA CITRINA, beautiful sweet-scented Orchid, with large yellow flowers .. 2*s.* 6*d.* and	3 6
I.	CATTLEYA DOLOSA.—This is a very beautiful little Cattleya, with large flowers, ten and twelve bulbs .. .. 3*s.* 6*d.* and	5 0
I.	CATTLEYA MOSSIÆ. — This is best of all Cattleyas; it is a free-grower, very beautiful and free-flowering; five to ten bulbs .. 2*s.* 6*d.* and	3 6
I.	COLAX JUGOSUS. — Flowers very beautiful; white, with numerous rich dark purple spots.	
C.	CYPRIPEDIUM INSIGNE.—This good old species	

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№ 7

Woodville South America Cactaceae.

roseolum

1546.

(an Echinoc. aciculatus?)

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№ 7

Prov. Cuesta, Bolivia

Schizoneuctes

small globose plant, 2 inches diameter

8 ribs, triangular, interrupted by cross grooves,

rather acute, but broad at base;

areolae approximate; few stiff very short spines

½ inch long,

flowers ½ inches long; sepals 8 ovary and

tube uniform obtuse, which upon rose

petals oval, obtuse, rose-colored.

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No 3 Weddell's South American Cactaceae 3

1547

yellow

spikes

№ 3

Province of Tomina, Bolivia (near the Pass of Cinti)

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Mamillaria ?

simple, globose, depressed, 2½ inches in Diameter.
tubercles rolessly arranged, = about 21 spirals
" spines white stellate " ½ – 2½ lin long,
very numerous; (resembling those of microsomeris ?)
top of plant woolly, bearing the small yellow
flowers 5-6 lin long — 4 lin diamter; stigma
" 6 – 7 "

Apparently very near to M. microsomeris — the cephalium
may be formed by the ~~longer~~ spines of the flowers crowded

№ 13 Weddells South American Cantareae

13

13

1548

Missouri Botanical Garden
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No 13

Prov. de Tarija, Bolivia

Herb depressed, 7 inches diameter 20 or 24 ribs
~~upon~~ ribs tuberculate; areolae large, distant,
young, upper ones with short (nascent) red
spines — old ones with 3 or 4 long brownish
spines, 2 – 2½ inches long;

flower rather lateral 3/4 inches long,
ovary covered with lanceolate acute scales, tube
same, but scales reflexed; upper ones elongated
entire — all reddish brownish; upper most
sepals or petals ~~the~~ obtuse, spathulate, extending
rose colored, inside white.

Is this an Echinocactus? stenogonus,
or is it an Echinopsis? It may be the
former, though the flower is very lateral —
but the young growth, indicated by the short
red spines seems to be very vigorous and
large — —

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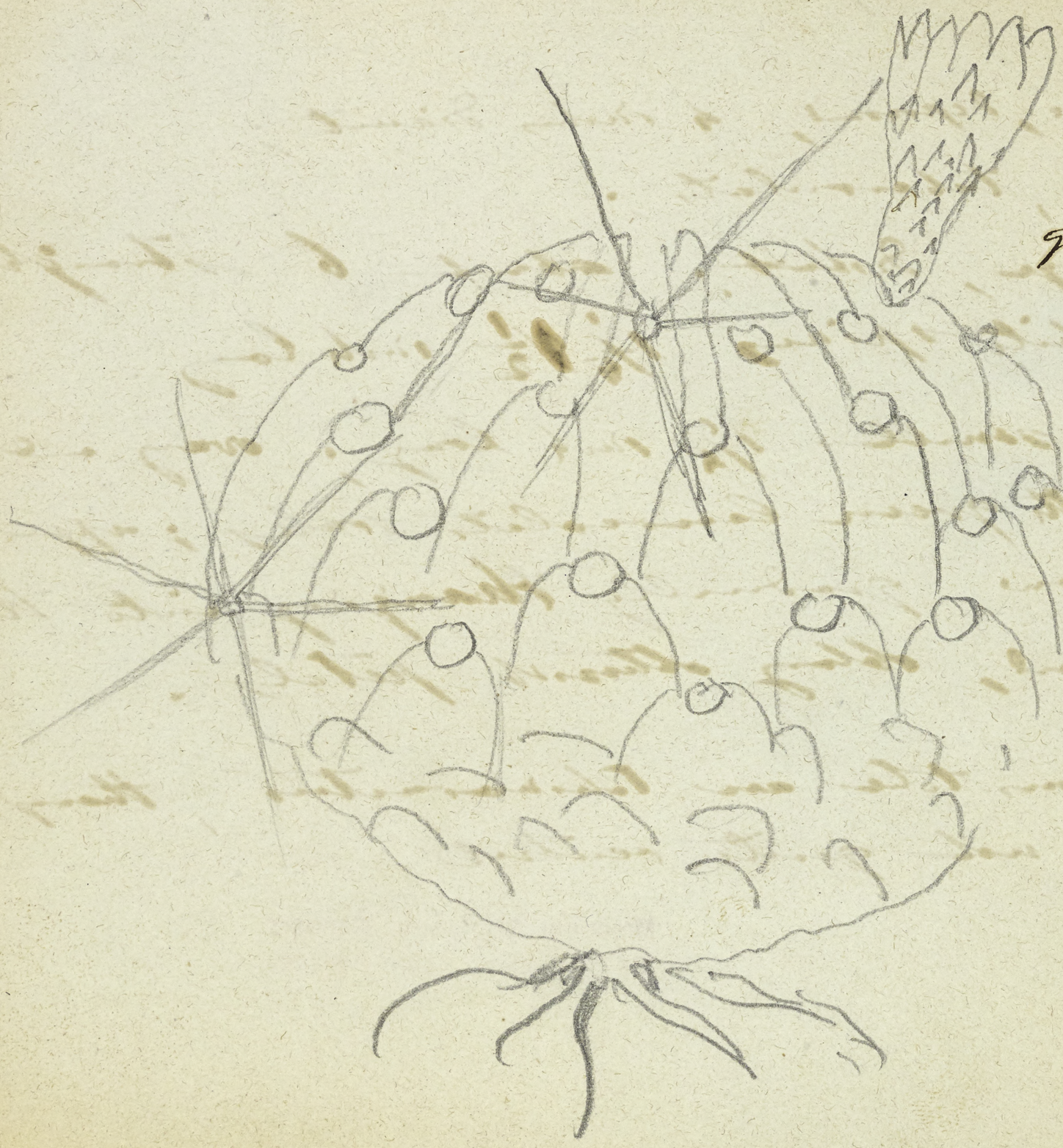
N. 12 Weddell's South American Cactaceae

12



Stamens red

yellowish green

Green

1549

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12

Prov. de Tomina, Bolivia

heart globose, depress, 4 inches diam.;
12 or 16 ribs, tuberculate;
areolae large, distant. about 6 straight long
yellowish white spines 1/4-1 1/2 inch long.

flower small 1/4 inch long; ovary & tube
covered with green lanceolate scales; upper ones
longer yellow, gradually changing into the
circular red, oblong obtuse petals.

It seems to be an Echinocactus, though the
flower is not quite central.

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№ 11

Province de Santa Cruz Bolivia

Echinocactus

head globose or depressed, 5 inches diameter,
about 15 indistinct ribs, tubercles prominent,
rounded, arranged in
not quite vertical
flowers nearly 2 inches long, sepals & ovary
and tube lanceolate acute, reddish brown, petals
purple, rounded, spathulate.
Areolae large with 8 or 10 large straight
brownish spines 1/2 — 1 inches long, upper ones
longer than lower ones?
" stigmata 8 " shorter than filaments "
" glands at base with greenish white wool "

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1550

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No 18.

Wedell South American Cactaceae 11

purple

reddish brown

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CE[illegible] PLOWMAN PAPERS

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№ 10

Weddells South American Cacteae

10

1551

stig — 10 di

filamenti brunei

yellow

reddish brown

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No 10

Province of Cinti Bolivia

applanate — globose, 6 inches in diameter;
tubercles distinct, arranged in about 15 ribs
areolae distant, with about 6 or 8 long brown
spines; spines 2—2½ inches long

flowers about 2 inches long not quite
central; ovary with small triangular very
numerous scales; tube with few, lanceolate
acute scales, reddish brown; petals round
ovate, obtuse, yellow

stigmata 10, erect, shorter than stamens

very similar to No 23, but with yellow flowers

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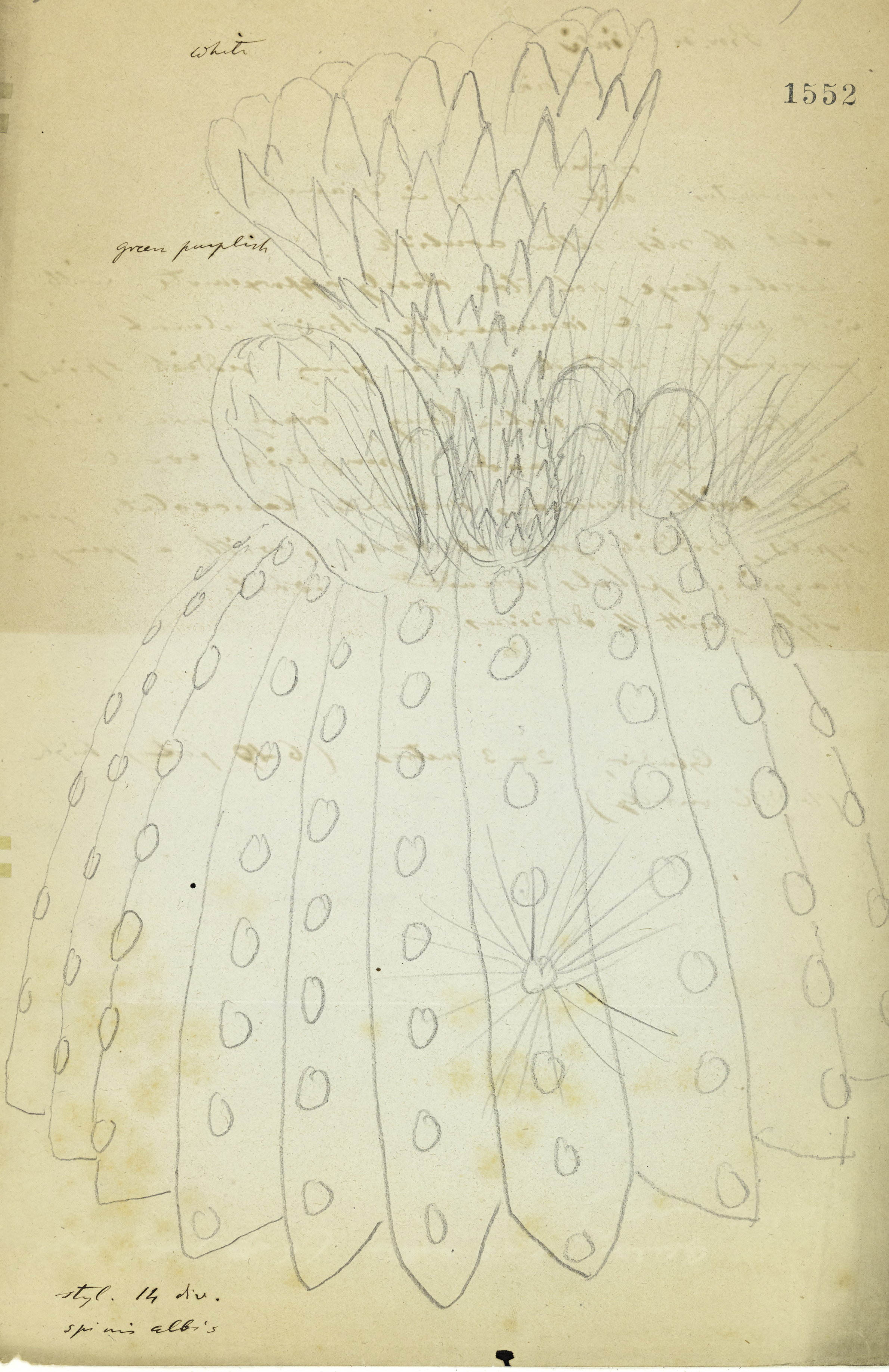
№ 9 Weddells South american Cactaceae 9

white

1552

green purplish



styl. 14 div.
spinis albis

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82

Prov. de Cinti

Bolivia

Echinopsis cylindrica Rol, 8 cms in diameter

about 16 ribs rather acute

Areolae large, not too closely approximate, with

white wool and immemble straight almost

horizontal whitish or when young reddish spines.

Flower 4 – 5 in. long, ovary even with

triangular scales and purplish wool

tube with numerous subulate lanceolate green

sepals, reddish green at base, with a purple

margin; petals rounded, white.

style, with 14 divisions.

Cylindric, 2 – 3 metres (6 – 10 feet) high

(wood all woolly)

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No 8 Wedells South America Cathoire 8

purple

1553

red brown
with green tips

style
12 divisions

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No 8

Prov of Cinti, Bolivia

Echinocactus
subdenudatus

oval? 6 inches ± diam. 12–13 ribs?
rather acute

Areolae large, approximate, with whitish dirty wool?

Spines straight 6 or 8 1 or 2 inches long, light brown, with one smaller one, ± or if I can make out well the dozen there are 5 or 6 interior ones and 6–10 exterior smaller, ± bent ones. —

Flower 4/5 inch long, ovary covered with (numerous) lanceolate green scales; sepals of tube fewer, lanceolate, reddish brown with green tips; petals purple, rounded at tip, lanceolate, apiculate

This is cylindric and the figure is the top of a column. several feet high (as well as I can tell)

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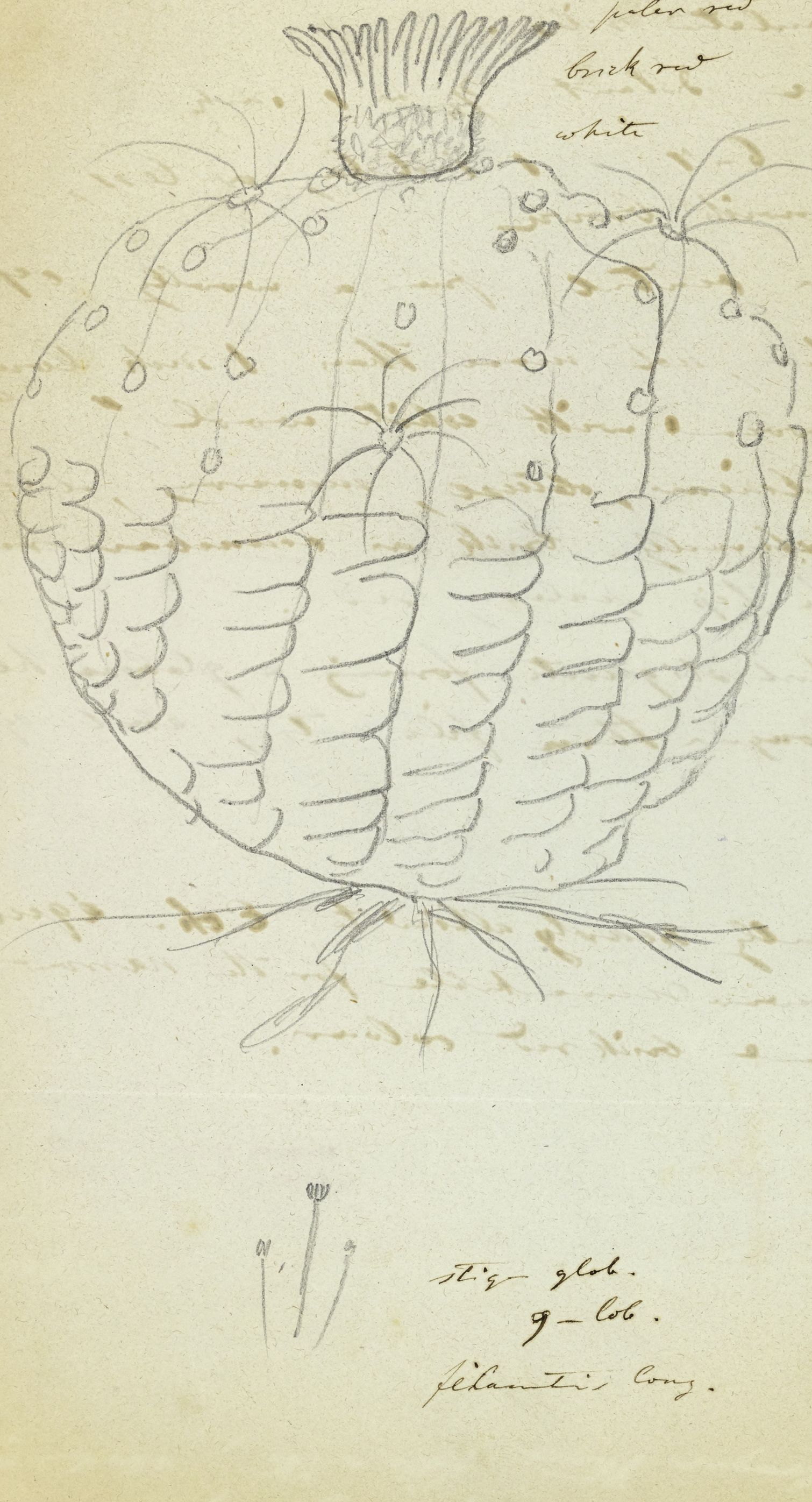
No. 25 Wadells South American Cactaceae 5

1554



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No 25.

Province of Cinti, Bolivia

Echinocactus

globose 4–5 inches diam. 13–15 obtuse
tuberculated ribs;
areolae distant 3/4 or 1 inch
spines 6–7 1 inch long or less, curved,
yellowish brown
flowers central, from a woolly cephalium?
short, not more than 1 inch long,
ovary covered with white wool,"
" petals linear, obtuse, numerous, about 25
below externally brick or crimson red, towards the tip paler, red.

9 short stigmata forming a globose head
much longer than filaments, about equal to
petals

apparently nearly allied to Ech. Equitans
but flowers remarkable for the narrow numerous
petals — a brick red colour.

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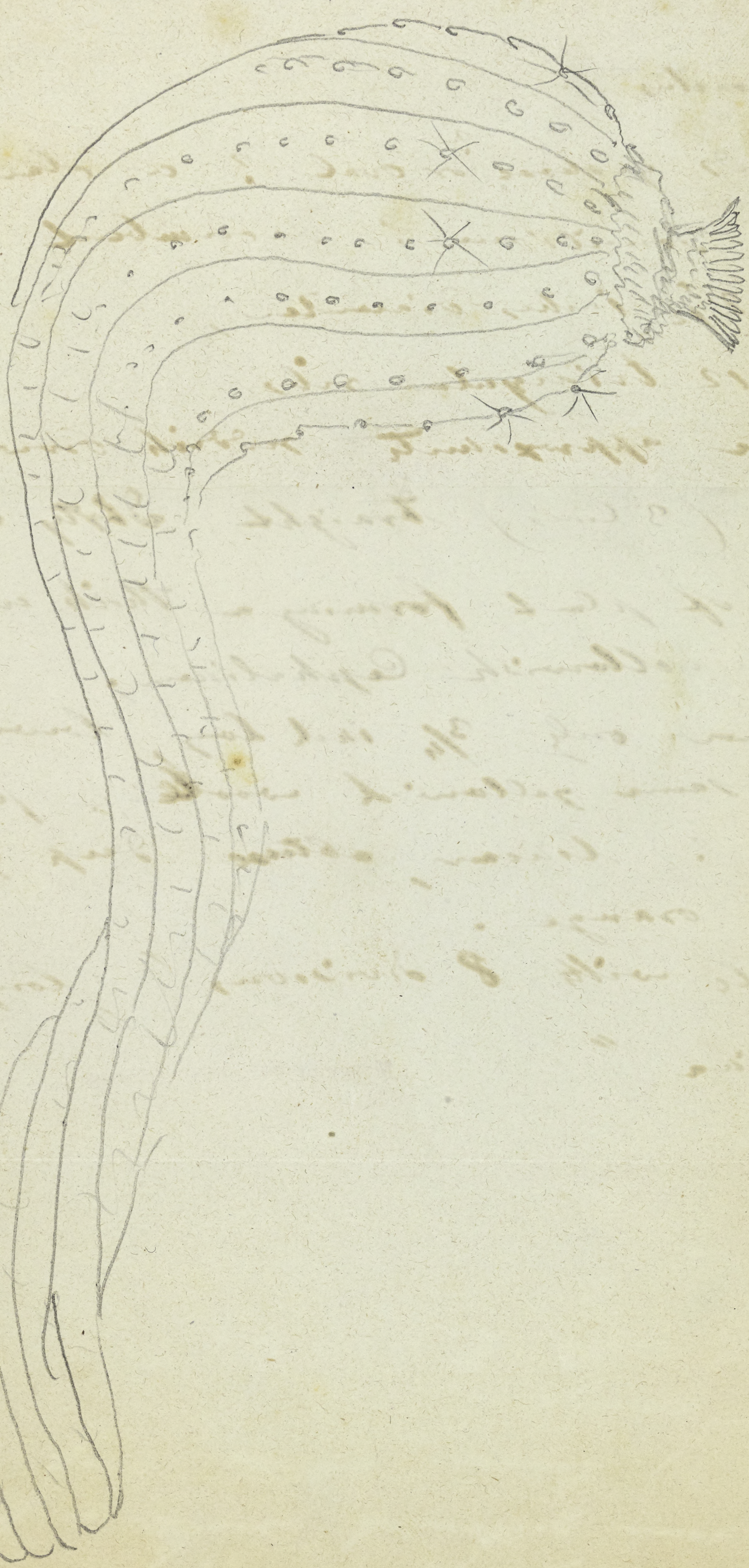

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No 4

Prov. de Tomina, Bolivia

Echinocactus

heads globose or oval ? or elevate ?

sometimes ? decumbent & elongated.

2 or 2½ inches diameter,

10 or 12 triangular ribs

areolae approximate reddish brown, with 4 or 5

short (3 lines) straight dirty whitish spines.

top of plant forming a thick woolly whitish

or rather yellowish Cephalium;

flower only 3/4 inch long, lower part covered

with the same yellowish woolle; petals numerous

(25 - 30 ?) linear, obtuse deep yellow, approa-

ching to orange.

style with 8 divisions " longer than

Stamina "

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GE...

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